

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	913	spherical near2 harmon\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2011/02/15 12:45
L2	35	((("381"/17-23,26,27).ccls.) and L1	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2011/02/15 12:45
L3	913	spherical near2 harmon\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2011/02/15 12:46
L4	26	((("381"/92,61,71.11,71.8,71.1).ccls.) and L3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/15 12:46
L5	1	((("381"/339,340,182,103).ccls.) and L1	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2011/02/15 12:48
L6	221	(spherical near2 harmon\$4) and distort\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2011/02/15 12:49
L7	1	((("84"/723,601,600).ccls.) and L6	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2011/02/15 12:49

L8	9547047	"11"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2011/02/15 12:49
L9	1705	((("84"/723,601,600).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2011/02/15 12:50
L10	1	L9 and L6	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2011/02/15 12:50
L11	905	spherical adj2 harmon\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2011/02/15 13:01
L12	6	L11 same linear same coeffici\$4 same combinat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2011/02/15 13:01
L13	2203003	(initial samesound same direct\$6 same function same weighting same coeffic\$6 same predetermin\$3 same operat\$3 same determin\$3 same combinat\$3 same linear same spherical harmonic same weight\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2011/02/15 13:09
L14	6473	(initial same sound same direct\$5 same function same weighting same coeffic\$6 same predetermin\$3 same operat\$3 same determin\$3 same combinat\$3 same linear same spherical harmonic same weight\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2011/02/15 13:10
L15	0	(initial same sound same direct\$5 same function same coeffic\$6 same predetermin\$3 same operat\$3 same determin\$3 same combinat\$3 same linear same spherical same harmonic same weight\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2011/02/15 13:11
L16	0	(initial same sound same direct\$5 same function same coeffic\$6 same predetermin\$3 same operat\$3 same determin\$3 same combinat\$3 same linear same spherical same harmonic same weight\$3).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2011/02/15 13:11

L19	4	(initial same sound same direct\$5 same function same coeffic\$6 same predetermin\$3 same operat\$3 )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/15 13:12
L20	1	(determin\$3 same combinat\$3 same linear same spherical same harmonic same weight\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2011/02/15 13:12
L21	35	((("381"/17-23,26,27).ccls.) and L3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2011/02/15 13:15
L22	913	spherical near2 harmon\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2011/02/15 13:15
L23	76	((("381"/\$).ccls.) and L22	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2011/02/15 13:15
L24	12	((("84"/\$).ccls.) and L22	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2011/02/15 13:16
L25	4	((("700/94).ccls.) and L22	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2011/02/15 13:17

L26	104	((("6026056") or ("7039546") or ("7091906") or ("7395030") or ("7630502") or ("20070183610") or ("5416767") or ("4965815") or ("5054916") or ("6023717") or ("6028995") or ("6252989") or ("6285954") or ("6317767") or ("6320648") or ("6341245") or ("6353477") or ("6377915") or ("6614616") or ("6657572") or ("6693713") or ("6735254") or ("6768495") or ("6831983") or ("6983012") or ("6983241") or ("6985815") or ("6993444") or ("6996288") or ("7003170") or ("7006938") or ("7007054") or ("7009932") or ("7012633") or ("7016404") or ("7027504") or ("7031862") or ("7039665") or ("7043397") or ("7043512") or ("7046723") or ("7047188") or ("7047481") or ("7050077") or ("7050968") or ("7050970") or ("7054394") or ("7054896") or ("7058650") or ("7058676"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/02/15 13:22
S1	4	((REMY) near2 (BRUNO)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/08 12:26
S2	49	((("20060126852") or ("20060045275") or ("7054452") or ("20020048376") or ("20040176136") or ("20060146648") or ("20050177606") or ("4843582") or ("4802232") or ("5177796") or ("5224062") or ("5293228") or ("5296935") or ("5343537") or ("5511155") or ("5615282") or ("5635864") or ("5668831") or ("5692020") or ("5717715") or ("5754456") or ("5754457") or ("5761210") or ("5802369") or ("5801855") or ("5872728") or ("5909254") or ("5946039") or ("6021228") or ("6035314") or ("6052703") or ("6125284") or ("6216013") or ("6216013") or ("6266451") or ("6333986") or ("6456743") or ("6477276") or ("6557097") or ("20060171542") or ("5185848") or ("5243661") or ("5793875") or ("5929810") or ("5940519") or ("5991418") or ("6160757") or ("6188915") or ("6191736") or ("6198828"))).PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2006/12/29 17:23
S3	2	((("6,154,549") or ("6,259,795"))).PN.	USPAT; USOCR	OR	OFF	2007/03/02 15:27

S4	1	("6154549").PN.	USPAT; USOCR	OR	OFF	2007/03/05 12:19
S5	7	((("20010038702") or ("7027600") or ("6195435") or ("6078669") or ("5946400") or ("5598478") or ("5684881")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/08 12:29
S6	687	spherical near2 harmon\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/10/18 12:41
S7	17	((("381"/\$).ccls.) and S6 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/10/18 12:43
S8	687	spherical near2 harmon\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/10/18 14:33
S9	6	((("84"/\$).ccls.) and S8 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/10/18 14:33
S10	124	((("6026056") or ("7039546") or ("7091906") or ("7395030") or ("20070183610") or ("4266296") or ("4401849") or ("5419330") or ("6056694") or ("7227960") or ("7409227") or ("20070147482") or ("20080025518") or ("4594007") or ("5864624") or ("5416767") or ("5678092") or ("6154518") or ("4246650") or ("4300221") or ("RE30986") or ("4543648") or ("4998480") or ("5208660") or ("5272694") or ("5291197") or ("5324229") or ("5450019") or ("5481573") or ("5522011") or ("5532977") or ("5581454") or ("5675703") or ("5784624") or ("5920522") or ("5940599") or ("6137584") or ("3815405") or ("3815104") or ("3784803") or ("4017693") or ("4021648") or ("4267447") or ("4300235") or ("4317179") or ("4325021") or ("4367785") or ("4424429") or	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/10/18 15:18

		("4431382") or ("4493559")).PN.				
S11	1	"6904152".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/18 15:28
S12	1	"5822438".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/20 10:33
S13	124	((("6026056") or ("7039546") or ("7091906") or ("7395030") or ("20070183610") or ("4266296") or ("4401849") or ("5419330") or ("6056694") or ("7227960") or ("7409227") or ("20070147482") or ("20080025518") or ("4594007") or ("5864624") or ("5416767") or ("5678092") or ("6154518") or ("4246650") or ("4300221") or ("RE30986") or ("4543648") or ("4998480") or ("5208660") or ("5272694") or ("5291197") or ("5324229") or ("5450019") or ("5481573") or ("5522011") or ("5532977") or ("5581454") or ("5675703") or ("5784624") or ("5920522") or ("5940599") or ("6137584") or ("3815405") or ("3815104") or ("3784803") or ("4017693") or ("4021648") or ("4267447") or ("4300235") or ("4317179") or ("4325021") or ("4367785") or ("4424429") or ("4431382") or ("4493559")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/10/21 10:23
S14	2	("20050238177").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/10/21 15:44
S15	29	(spherical near2 harmon\$4) same distort\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/10/21 16:15
S16	19	S15 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/10/21 16:16

S17	176	(spherical near2 harmon\$4) and distort\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/10/21 16:21
S18	2	((("84"/\$).ccls.) and S17 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/10/21 16:21
S19	5	((("81"/\$).ccls.) and S17 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/10/21 16:23
S20	2379	((381/17-23 or 381/61,63,26,27,103).ccls.) and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/10/21 16:26
S21	4	S20 and S17 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/10/21 16:27
S22	1	((("84"/723,601,600).ccls.) and S17 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/10/21 16:28
S23	1425	((("84"/723,601,600).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/10/21 16:28
S24	1	S23 and S17 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/10/21 16:28
S25	687	(spherical near2 harmon\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/10/21 16:29

S26	5	((("84"/723,601,600).ccls.) and S25 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/10/21 16:29
S27	92	S17 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/10/21 16:44
S28	1	"5671287".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/10/22 09:54
S29	2	("5848166").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/10/22 11:04
S30	187	(spherical near2 harmon\$4) and distort\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/09/07 12:35
S31	1534	((("84"/723,601,600).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/09/07 12:35
S32	1	S31 and S30 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/09/07 12:35
S33	759	spherical near2 harmon\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/09/07 12:37



S34	11	((("381"/17-23,26,27).ccs.) and S33 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/09/07 12:37
S35	5	((("381"/1,61,102,63,304,337).ccs.) and S33 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/09/07 12:39
S36	1	((("381"/339,340,182,103).ccs.) and S33 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/09/07 12:39
S37	6	((("381"/92,61,71.11,71.8,71.1).ccs.) and S33 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/09/07 12:40
S38	6	((("381"/92,61,71.11,71.8,71.1).ccs.) and S33 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/09/07 12:41
S39	782	((("381"/17-23,26,27).ccs.) and "15" and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/09/07 12:42
S40	30	(spherical near2 harmon\$4) same distort\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/09/07 12:43
S41	0	((("381"/17-23,26,27).ccs.) and S40 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/09/07 12:43
S42	831	spherical adj2 harmon\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/06/08 10:50

S43	43	S42 same linear same coeffici\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/06/08 10:52
S44	6	S42 same linear same coeffici\$4 same combinat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/06/08 10:52
S45	104	((("6026056") or ("7039546") or ("7091906") or ("7395030") or ("7630502") or ("20070183610") or ("5416767") or ("4965815") or ("5054916") or ("6023717") or ("6028995") or ("6252989") or ("6285954") or ("6317767") or ("6320648") or ("6341245") or ("6353477") or ("6377915") or ("6614616") or ("6657572") or ("6693713") or ("6735254") or ("6768495") or ("6831983") or ("6983012") or ("6983241") or ("6985815") or ("6993444") or ("6996288") or ("7003170") or ("7006938") or ("7007054") or ("7009932") or ("7012633") or ("7016404") or ("7027504") or ("7031862") or ("7039665") or ("7043397") or ("7043512") or ("7046723") or ("7047188") or ("7047481") or ("7050077") or ("7050968") or ("7050970") or ("7054394") or ("7054896") or ("7058650") or ("7058676"))).PNL	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/06/08 10:56
S46	202	(spherical near2 harmon\$4) and distorti\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/06/09 16:39
S47	2396	((381/17-23 or 381/61,63,26,27,103).ccs.) and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/06/09 16:39

S48	4	S47 and S46 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/06/09 16:39
S49	2211	((381/1,61,102,63,304,337,339,340,182).ocls.) and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/06/09 16:41
S50	3785	((381/1,61,102,63,304,337,339,340,182).ocls.)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/06/09 16:41
S51	2	S50 and S46 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/06/09 16:42
S52	831	spherical adj2 harmon\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/06/09 16:43
S53	43	S52 same linear same coeffic\$5	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/06/09 16:44
S54	1	((("84"/723,601,600).ocls.) and S46 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/06/09 16:47
S55	839	(spherical near2 harmon\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/06/09 16:48

S56	5	((("84"/723,601,600).ccls.) and S55 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/06/09 16:48
S57	839	spherical near2 harmon\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/06/09 16:48
S58	6	((("381"/92,61,71.11,71.8,71.1).ccls.) and S57 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/06/09 16:48
S59	6	((("381"/92,61,71.11,71.8,71.1).ccls.) and S57 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/06/09 16:50
S60	11	((("381"/17-23,26,27).ccls.) and S57 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/06/09 16:50
S61	831	spherical adj2 harmon\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/06/09 16:51
S62	6	S61 same linear same coeffici\$4 same combinat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/06/09 16:51

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